Public Portal Data API
(updated 7/19/2019)

IMPORTANT NOTE: This API is designed to pull data from WQDataLIVE MySQL database and directly feed that to WQDataLIVE public portal display. Thus it has the following limitations.

1) WQDataLIVE project must be made public (via public portal option).
2) Requests are limit to one every 3 seconds.
3) Data format are in the form that can be consumed directly by WQDataLIVE display. Thus, they are not orthogonal.

Specification:

1) URL: *https://v2.wqdatalive.com/public/{projectId}/data*

   projectId is the ID shown when public portal is enabled.

2) Request

   ○ Method: *Post*

   ○ Content Type: *application/x-www-form-urlencoded*

   ○ Parameters:

Parameter Name	Type	Description
ParamID	Integer	Required ID of parameter

3) Response

   ○ Code: 200 on success

   ○ Content Type: application/json

   ○ Content:

Field	Type	Description

error	bool	If present,
		    false – successful request
		    true – the request fail either because
		    (a) Data is not accessible to the public or

		(b) No data exists for the request
timezone	string	Timezone used for public portal
data	array	Array of data in format. The data is sorted in ascending order. [[timestamp (milliseconds), value (string)],…]
tableData	array	Array of data for table in format. Data is sorted in descending order. Timestamp format is always mm-dd-yyyy hh:mm:ss (UTC[timezone]) [aaData, aaColumns, axis] - aaData: array of data with datetime format based on timezone – [[datatime (string), value (string)],…] - aoColumns: array of data for table header in format [[name (string), targets (array), title (string), width (string)],…]

Note:

1. *data* is used for rendering graph. *tableData* is used for data table display.

2. *data* and *tableData* will not present at all if *error* is *true*

3. *timezone* string is from php time zone library. For a list of supported time zone, see

   https://www.php.net/manual/en/timezones.php

Examples:

1) With data:

```
{
    "error": false,
    "data": [
        [1561983000000, "212"],
        [1561983600000, "204"]
    ],
    "tabledata": {
        "aaData": [
            ["07-01-2019 08:20:00 (UTC-04:00)", "204"],
            ["07-01-2019 08:10:00 (UTC-04:00)", "212"]
        ],
```

```
        "aoColumns": [{
            "name": "Timestamp",
            "targets": [0],
            "title": "Timestamp",
            "width": "220px"
        }, {
            "name": "Wind Direction (Degree)",
            "targets": [1],
            "title": "Wind Direction (Degree)",
            "width": "150px"
        }]
    },
    "timezone": "America/New_York"
}
```

2) Empty dataset or invalid request (i.e. public portal is not enabled)

```
{
    "error": true
}
```